

# HiQ<sup>®</sup> Specialty Gases Finder.



## Methane CH<sub>4</sub> R-50



ADR Class 2, 1F (Compressed)  
3F Refrigerated liquid)



DOT Class 2.1

CAS: 74-82-8      EC: 200-812-7      UN: 1971 (Compressed); 1972 (Refrigerated liquid)

### Methane 2.5

**Purity >= 99.5% (Contact local team for exact specification)**

#### Impurities [ppm]

99.5% (Contact local team for exact specification)    O<sub>2</sub>≤=100    N<sub>2</sub>≤=600    H<sub>2</sub>≤=500    Other C<sub>n</sub>H<sub>m</sub>≤=3000

### HiQ Methane 3.5

**HiQ Product Code: 2081**

**Purity >= 99.95% (Contact local team for exact specification)**

#### Impurities [ppm]

99.95% (Contact local team for exact specification)    O<sub>2</sub>≤=30    N<sub>2</sub>≤=200    H<sub>2</sub>≤=20    Other C<sub>n</sub>H<sub>m</sub>≤=300

### HiQ Methane 4.5

**Purity >= 99.995% (Contact local team for exact specification)**

#### Impurities [ppm]

99.995% (Contact local team for exact specification)    O<sub>2</sub>≤=5    N<sub>2</sub>≤=20    H<sub>2</sub>≤=5    Other C<sub>n</sub>H<sub>m</sub>≤=20    H<sub>2</sub>O≤=5

### HiQ Methane 5.5

**Purity >= 99.9995% (Contact local team for exact specification)**

#### Impurities [ppm]

99.9995% (Contact local team for exact specification)    O<sub>2</sub>≤=0.5    N<sub>2</sub>≤=4    H<sub>2</sub>≤=0.1    Other C<sub>n</sub>H<sub>m</sub>≤=1    H<sub>2</sub>O≤=2

**Typical Filling Pressure:** 15 °C: 200 bar(a) 70 °F: 2,400 psi(g)

### Characteristics

Flammable. Colourless and odourless gas.

This is a promotional data sheet, for a full Safety Data Sheet, please contact your local Linde subsidiary

**Linde AG**

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# HiQ® Specialty Gases Finder.

## Hazard classifications

### EC C&L



### R-Phrases

#### R12:

Extremely flammable

### EU GHS C&L - Reg 1272/2008

Signal Word: **DANGER**



### H-Statements

#### Physical Hazards

#### **Compressed Gas -> H280:**

Contains gas under pressure; may explode if heated

#### **Refrigerated Gas -> H281:**

Contains refrigerated gas; may cause cryogenic burns or injury.

#### **H220:**

Extremely flammable gas

## Applications of this gas in pure form, or component in a gas mixture.

Aerosol propellant, Air quality monitoring, Anaesthetic, Analytical chemistry, Calibration gas mixtures, Chemical synthesis, Cutting metals, Electronics & semiconductor, Emissions control, Environmental monitoring, Fabrics & textiles, Fibre optics, Flame photometry, Foam blowing, Fuel for energy, heat & propulsion, Fumigation, Heat treatment & surface treatment of metals, Instrument calibration, Instrument setup & operation, Laboratory & process control instrumentation, Leak detection, Leather tanning, Metals cutting & welding, Metals surface treatment & heat treatment, Nuclear counters & radioactivity detectors, Nuclear power, Odorization, Optical fibres, Petrochemical & refineries, Plasma etch, Power generation & transmission, Process control instrument calibration, Process control instrument operation, Propellant for aerosols, Radioactivity detectors & nuclear counters, Rubber, Semiconductor & electronics, Solvent, Stack emissions testing, Steel making, Tanneries, Textiles & fabrics, Welding metals

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